Original/Duplicate/Triplicate

SBR No. 73/23
DATED 23-11-2023

CONTRACT CERTIFICATE

EE/ELE/Y/BR No.....
Date.....2023
Dt.....

No. 11th RA bill (For Other Works)

Division: **Electrical (yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-006-22-000007**

Schedule Docket No. Head of Account : **P 0300** M&R to Street lights - Replacement of Burnt bulbs etc
D.R.No. : **Period: 01-07-2023 to 31-10-2023 (For 4 Months)**
Name of Work : *Annual Maintenance and repairs of street lights in ward no 06 Package Y-06 of Yelahanka Zone*
Name of Contractor and Full Address:**Sri Pradeepkumar S.N. Pro of M/s Ganga Enterprises**
Reference to Agreement No:- EE/Ele/YZ/AG/000006/2022-23 Date:01/04/2022
Reference to Work order No:- EE/Ele/YZ/WO/000006/2022-23 Date:01/04/2022
Supplymentary Work order No:- EE/Ele/YZ/WO/000006/2023-24 Dated 01-04-2023

Certified that the measurements were taken by me on and recorded of Pages 260441 to 260449
measurement Book No. 2605/23-24 and that the work is satisfactorily executed.

For GANGA ENTERPRISES
Contractor
Proprietor

Officer-in-charge of work

Certified that the measurements were taken by me on 30/10/23 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within — UPDT 10187803-47
2) Deduct amount to be held in reserve being .....percent Rs..... — P.Bill 8209490-97
3) " Balance — Withheld 1977812:00
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of — ITI 1% 19778:00 — LWC 1% 19778:00 — CBF 0.1% 1978:00 — CGST 1% 19778:00 — SGST 1% 19778:00 — Fine 18000:00 — Scrap 2% 39556:00 — Deduction 138646:00
   b) Payments Now made - cost store or other material supplied; recovery of amount creditable to this/other work; Amount paid on this bill Cheque / Cash. — Amount — Paycheque 1839166:00
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Total amount adjusted -

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

For GANGA ENTERPRISES
(For the Office)
Proprietor

Witness
1.
2.

For GANGA ENTERPRISES
Signature of Contractor
Proprietor

Stamp

Dated Dated.....
Paid by me by Cheque No.....
Cash Rs.....
Dated.....Initials of Officer making payment

P0 300 Monthly
1977812:00
1839166:00
138646:00

Executive Engineer

Sl. No.	Description of item	Unit
	Name of Work :-Annual Maintenance and repairs of street lights in ward no 06 Package Y -06 of Yelahanka Zone"	
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each
5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc. , complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc. , complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc. , complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc. , complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		4	Months		Upto Date paid so for 19 Months		
79x15 Months	40479.60	79.00	34.16	10794.56	79x19 Months	51274.16	
45x15 Months	36558.00	45.00	54.16	9748.80	45x19 Months	46306.80	
4805x15 Months	5838075.00	4805.00	81.00	1556820.00	4805x19 Months	7394895.00	
120x15 Months	164988.00	120.00	91.66	43996.80	120x19 Months	208984.80	
32x15 Months	31996.80	32.00	66.66	8532.48	32x19 Months	40529.28	
727x15 Months	999552.30	727.00	91.66	266547.28	727x19 Months	1266099.58	
19x15 Months	30874.05	19.00	108.33	8233.08	19x19 Months	39107.13	
0	0.00	0.00	125.00	0.00	0	0.00	

9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each
10	Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) Up to 5 Mtrs Street light pole	Nos
11	Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) 8 Mtr and above Street light pole	Nos
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA	Each
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets 260mmx210mmx116mm	Each
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtr
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required On wall /Structure 6 sqmm to 16 sqmm	Mtr
16	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP	Each
19	1.1 kV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below 1. Hot Set Test a) Elongation under Load: 50% (Max) b) Permanent Elongation After Cooloing: 3% (Max) 2. Thermal Aging in oven: a) Tensile Strength: 16 N/mm² (Min) b) Elongation: 375% (Min) 3. Water Absorption Test a) Water absorbed: 0.5 mg/cm² (Max) 4. Carbon Black Content shall be ranging from 2% to 3% 3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral)	KM
20	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control)	KM
	TOTAL Rs	
	Add GST 18 % on item no 10 to 18	0.00
	TOTAL Rs	
	Fine imposed for non burning of street lights For the period of 1/07/2023 to 31/10/2023	
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material	
	GRAND TOTAL	

Certificate

The above said monthly maintenance work has been carried out satisfactorily

0	0.00	0.00	150.00	0.00	0	0.00	
45	18675.00	0.00	415.00	0.00	45	18675.00	
326	211900.00	0.00	650.00	0.00	326	211900.00	
30	115500.00	0.00	3850.00	0.00	30	115500.00	
30	55500.00	0.00	1850.00	0.00	30	55500.00	
218	30520.00	0.00	140.00	0.00	218	30520.00	
218	4360.00	0.00	20.00	0.00	218	4360.00	
13	80600.00	0.00	6200.00	0.00	13	80600.00	
13	37167.00	0.00	2859.00	0.00	13	37167.00	
15	9345.00	0.00	623	0.00	15	9345.00	
2.51	313750.00	0.00	125000.00	0.00	2.51	313750.00	
2.51	26355.00	0.00	10500.00	0.00	2.51	26355.00	
	8046195.75			**1904673.00**		**9950868.75**	
	163295.22	-12%	228560.76	1676112.24	add 6% GST(18%-12%)	236434.67	
	8209490.97	18%	301700.20	**1977812.44**		**10187303.42**	
	70300.00			18000.00		88300.00	
	143947.57			39556.25		183503.82	
	7995243.41			**1920256.19**		**9915499.60**	

Assistant Executive Engineer (Ele)
BBMP, Bangalore